## Technophobia VII - 23 November 2002

Tossups by Jordan Boyd-Graber and Maribeth Mason

1. He spoke his last words, "What can it hurt? They can kill the body but not the soul," just before his body was torn to smithereens at the battle of Kappel. Because of his strict adherence to the Bible and unwillingness to completely rebuild religious institutions, the Anabaptists, Erasmians, and the Mystics claimed that he was a "halfway reformer" and in league with the Papists. For 10 points--identify this religious reformer based in Basel, Switzerland.

## answer: Huldreich Zwingli

2. His article, "On Crime," suggested that a class of people he called "supermen" could be exempt from penalties for murder, as they would be able to weed out useless or harmful persons from society. His heroism during a fire in his apartment and his charity while in school freed him from a harsh sentence after murdering two people. While on trial, he repented Lizaveta's murder, but sidestepped the murder of Alyona Ivanova, a miserly pawnbroker. For 10 points-identify this main character of Dostoyevsky's $\sim$ Crime and Punishment. $\sim$

## answer: Raskolnikov

3. In order to restrain the Buddhist temples, he gave protection to the Jesuits and helped finance the construction of a church in his capital and a seminary in Azuchi. He weakened the power of local warlords by preventing the collection of tolls on roads and the charging of fees by guilds. He subdued the Ikko sect, but was wounded during the spring rebellion of 1582 and killed himself, leaving Toyotomi Hideyoshi to succeed him. For 10 points--name this great unifier of Japan who destroyed the rule of the Fujiwara shogunate.

## answer: Oda Nobunaga

4. There are only ten of them, and they and the rules for their usage are secret. The current methodology for their use is known as the American School, developed by John Exner in the 1950s. Because of a misprint, their creator never got to investigate the shadowing and chiaroscuro responses studied by Hans Binder. In some interpretation schemes, identifying more than four sexual images connotes schizophrenia. For 10 points--name this set of clinical tools developed by a Swiss psychiatrist that looks like a series of inkblots.

## answer: Rorschach Cards

5. In 1834, Friedrich August von Alberti noticed the partition of rock layers into segments which he denoted the Bunter, Muschelkalk, and Keuper. Although these so-called "German fallacies" were disproven, his name for the period stuck. It saw the first colonization of continental shelves by marine reptiles and reef-building corals as well as the emergence of the first mammals. For 10 points--identify this first period of the Mesozoic which preceded the Jurassic.

## answer: Triassic

6. After scientists found the corpse of its last bearer, spores found on the corpse were released by a scientist who blamed the robots for his daughter's infirmity. The Quintessons revived the corpse, who then used this device to stop the spread of the plague and still has it, although it is powerless. It was used to destroy Unicron, and transformed Hot Rod into Rodimus Prime. For 10 points--identify this icon of Autobot leadership that allows its holder to imbue life into machines, and which shares its name with a Keanu Reeves film.

## answer: The Creation Matrix

7. He was nicknamed "Monsieur Crescendo" when he came to Paris in November 1823, and showed his appreciation for his warm welcome by writing $\sim$ Il viaggio a Reims $\sim$ to celebrate the coronation of Charles X. His final opera was to be the first in a series of five, but his contract was cancelled after the revolution of 1830 . He wrote several religous works after the death of his wife Colbran, including $\sim$ Petite messe solemnelle $\sim$ and $\sim$ Stabat Mater $\sim$. For 10 points--identify this Italian composer of $\sim$ The Thieving Magpie $\sim$ and $\sim$ William Tell $\sim$.

## answer: Gioacchino Rossini

8. The army was marched north from Chalons-sur-Marne toward Metz, as the army under Marshal Achille Bazaine was trapped after being repulsed near Saarbruecken. The French had published their battle plans in the newspaper, and Crown Prince Albert of Saxony was sent to intercept the reinforcements under MacMahon, who was forced to take refuge in a fortress on the Meuse. Von Moltke then ordered the 3rd Prussian Army to finish the encirclement, trapping the army of Napoleon III. For 10 points--name this last major battle of the Franco Prussian war.

## answer: Battle of Sedan

9. This poem was used as the lyrics to a sexy swing song in the opening scene of Ian McKellen's adaptation of $\sim$ Richard III $\sim$. The narrator guarantees the experience of all the pleasures that "valleys, groves, hill fields, woods or steepy mountain yields," and promises his lady "a bed of roses and a thousand fragrant poises, a cap of flowers, and a kirtle embroidered all with leaves of myrtle." For 10 points-name this poem by Christopher Marlowe which begins "Come live with me and be my love."

## answer: The Passionate Shepherd to His Love

10. He owns two Chihuahuas, which is taboo for traditional Muslims. His daughter Ayla is an architect, and his son Bilal is a Boston actuary. After rising to chief of staff, he masterminded a suprise attach at Kargil. When Prime Minister Nawaz Sharif tried to fire him, he staged a bloodless coup, surging in popularity after a victory in Kashmir. For 10 points--identify this military ruler now trying to wrest control from a duly elected parliament in Pakistan.
answer: Pervez Musharraf
11. During World War II it resided in a Belgian cave, where it had been disassembled into its constituent slabs. Napoleon was depicted with it in a painting by Motte, although it was never placed on a Rococo base, as shown in the painting. Franz Illig maintains that it was a fabrication, as it was never mentioned until the coronation of Otto I at Aachen, but recent exploration suggests that it was taken from the floor of a Roman building, as it features scratchings of Latin tic-tac-toe equivalents. For 10 points-name this marble creation thought to be the seat of the son of Pepin the Short.

## answer: the Throne of Charlemagne

12. It is unlikely that officers ever took part in this activity, since the nearly universal Belgiandesigned Nagant has a loading gate rather than a swing loading cylinder, but it seems to be popular in literature. In Mikhail Lermontov's $\sim$ A Hero of Our Time~, a bored Serbian proposes the game. Georges Surdez's short story in the January 30, 1937, issue of Collier's magazine is the first known usage of the term. For 10 points--identify this game of chance more often associated today with Texans and the Darwin Awards.

## answer: Russian Roulette [accept grudgingly: Russkaia ruletka]

13. In the $19^{\text {th }}$ century, it was depicted in a panorama by Burford using a mixture of modern shapes and classical styles. This painting was the inspiration for the depiction of the birthing ground of Saruman's Uruk Hai, as in poetry the spacious hall was swarmed, "both on the ground and in the air, Brusht with the hiss of rustling wings." It was built chiefly by Mammon, who while in heaven turned his thoughts to the pavement rather than to the aery works of angels. For 10 points-name this capital commissioned by Satan in Milton's $\sim$ Paradise Lost $\sim$.

## answer: Pandemonium

14. They captured Valerian in 260 after the Roman Empire supplanted Greece as their primary western enemy. Their caste system was relatively rigid and supported their centralization and centralized spanning efforts, primarily conducted by Chosroes I. Their priests, headed by the mobadan mobad, as well as their military commander, the eran spahbod, purged the empire of the Greek influences that cropped up during the Achaemenids. For 10 points-name this Persian dynasty that made Zoroastrianism that state religion.

## answer: Sassanids

15. After he won his second Emmy, the statue's wings stabbed his neck when he sat down at the table a little too roughly, drawing blood as well as attention. Had he been slightly taller, he may have been spared, but would not have looked as silly next to his lanky sidekick who nevertheless slouched and crooked her ankles to appease his vanity. He starred in the short-lived $\sim$ The Partners~ as Detective Lennie Crooke and later reprised his most famous TV character in ~The Nude Bomb~. For 10 points--identify this voice of Inspector Gadget and star of $\sim$ Get Smart~.

## answer: Don Adams

16. It was created when Marian came home after an afternoon with Duncan in a ravine, having run from a party celebrating her engagement to Peter. When Peter saw this object, he ran away, and Ainsley said it was a rejection of Marian's femininity, but Duncan helped her devour it. This sponge cake effigy was the first food Marian had been able to eat since her engagement, since her body had systematically rejected beef, pork, and eventually even carrots whose inaudible screams became too much for her to bear. For 10 points--identify this title symbol of a novel by Margaret Atwood.

## answer: The Edible Woman

17. These events are modeled in fluid dynamics using the clutch model, which can simulate the interaction of propulsion mechanisms in the viscous medium. The average volume in Southern California has declined from 3.40 ml to 2.75 ml in the last fifty years, but this trend has not been observed in areas with lower pollution. Potency, measured by the number of gametes per milliliter, has also been cut in half, which may be the result of pollution, increased marijuana use, and unhealthy diets. For 10 points-name these events that release semen during fertilization.

## answer: ejaculation [accept equivalents]

18. It is the site of the only statue of Lenin of over two meters in Western Europe, andis also the home of Katherina Reiche, the unmarried Christian Democrat that Stoiber wanted to make family secretary. Tourist money from Sans Louci, the palace of Frederick the Great, is filling its coffers once again, although the films made in the suburb of Barbelburg continue to flop. For 10 points--what is this satellite of Berlin which was the site of a conference between Truman, Stalin, and Atlee in 1945?

## answer: Potsdam [prompt on Berlin]

19. In 1702 , Leibniz tried to prove it false by asserting that $a^{\wedge} 4+t^{\wedge} 4$ could never be written as the product of two real quadratic factors. Leibniz's error was not realizing that the square root of I could be written as a complex number with real coefficients. For 10 points--identify this theorem proved by Gauss in his doctoral thesis, stating that every polynomial equation of degree n with complex coefficients has n roots in the complex numbers.

## answer: fundamental theorem of algebra

20. According to Homer, it was set in "a nook of Argos." A natural citadel formed by the ravines between the mountains Hagios Elias and Zara, it was fed by a natural spring called Perseia after Perseus, the city's legendary founder. Beyond the Lion Gate lay a fortified palace with Cyclopean walls and the monumental Treasury of Atreus, which may have contained the burial chamber of Agamemnon, its greatest king. For 10 points--identify this dominant Aegean power of the late Bronze Age.
answer: Mycenae
21. Although neither of her two attempts were completed, she is the only female to have attempted a quadruple jump in ISU figure skating competition. She turned pro after the 1998 Winter Olympics, in which she finished 10th, announcing her decision by ending with her back to the judges after a long program which included an explicitly illegal move. For 10 points-name this French skater famous for her trademark one-footed backflip.
answer: Surya Bonaly
22. Among his most important works is a series of paintings depicting the life of Marie de Medici which she commissioned for her private palace. The court painter to the Spanish viceroy Archduke Ferdinand, he set up an immense picture factory in Antwerp, which became the artistic center of Flanders. For 10 points--name this Baroque painter of $\sim$ The Judgment of Paris $\sim$ and $\sim$ Descent from the Cross $\sim$ whose second wife served as the model for many of his voluptuous nudes.
answer: Peter Paul Rubens

## Technophobia VII - 23 November 2002

Boni by Jordan Boyd-Graber and Maribeth Mason

1. "Mommy, why is the sky blue?" For 10 points each—identify these scientists who had better answers than "Because it is."
A. He noticed that when light passes through a clear fluid holding small particles, such as dust or water vapor, in suspension, the shorter blue wavelengths are scattered more strongly than the red.

## answer: John Tyndall

B. This man's refinement of the Tyndall effect says that the amount of light scattered is inversely proportional to the fourth power of wavelength for sufficiently small particles; thus blue light is ten times more likely to get through the atmosphere.

## answer: John William Strutt, third Lord Rayleigh

C. This man realized that nitrogen and oxygen molecules are able to scatter light because the electromagnetic field of the light wave induces an electric dipole moment.

## answer: Albert Einstein

2. Identify the following tariffs from American history, for 10 points each:
A. This 1889 tariff was so unpopular that its sponsor, a young Ohio representative, lost his seat in the 1890 elections and went back to being the governor of Ohio. It was reversed by the Wilson-Gormand Act under President Cleveland.

## answer: McKinley Act

B. Passed under McKinley's administration, this tariff, sponsored by a congressman from Maine, empowered the president to negotiate reductions of up to 20 percent, move products to a socalled free list, or drop items from the list based upon mutual negotiations.

## answer: Dingley Act

C. This 1930 act, sponsored by Republicans from Oregon and Utah, raised duties to the highest level in American history, instigating foreign retaliation.
answer: Smoot-Hawley Act [or permutations thereof]
3. Russell Crowe almost captured the best actor Oscar two years in a row. For 10 points each-
A. What screen icon won more leading actor Oscars than anyone else, including for 1960's $\sim$ Inherit the Wind~ and 1961's $\sim$ Judgement at Nuremberg~.

## answer: Spencer Tracy

B. What actor recently picked up two Oscars for $\sim$ Forrest Gump $\sim$ and $\sim$ Philadelphia $\sim$ ?

## answer: Tom Hanks

C. Although he didn't win best actor, who won best supporting actor in 1977 for $\sim$ Julia~ and 1978 for ~All the President's Men~? His last major film role was as Big Earl in 1999's ~Magnolia~.

## answer: Jason Robards

4. Answer the following questions about communist cars, for 10 points each:
A. The Narodnaya Mashina, commissioned by Stalin to be a people's car, was never put into production because Ferdinand Porsche returned west and created what car company?

## answer: Volkswagen

B. Instead of the Bug, East Germans experienced the joys of what automobile whose body was composed of fiberglass rather than metal? This was not just to save money, but because the converted motorcycle engine couldn't handle a real frame.

## answer: Trabant or Trabi

C. Now that Kostunica got the trade sanctions lifted, Yugo is introducing a new model for export named after what U.S. state known for its young and hip driving population?

## answer: Florida

5. Identify the following people connected to Peter the Great, for 10 points each:
A. Peter's sister, she was the first woman to rule from Moscow. She was acting as regent for Peter and his brother Ivan in 1689 when Peter seized power from her.
answer: Sophia
B. Peter fought against this king of Sweden in the Great Northern War.
answer: Charles XII
C. Before Peter, no woman had reigned as czarina; however, his death and changing of the succession rules ushered in seventy years of female domination by Catherine I, Anne of Courland, and Catherine the Great, interspersed by weak men who were quickly toppled. Name any of the three pitiable men whose reigns were cut short.
answer: Peter II, Ivan IV, Peter III
6. Answer the following about related images, for 10 points each:
A. What 17th-century Spanish painter is well-known for his portrait of Pope Innocent X?
answer: Diego Rodriguez de Silva Velazquez
B. In the 1950's, what British painter began a series of screaming popes based on Velazquez's portrait of Innocent?

## answer: Francis Bacon

C. Bacon's screaming popes were also inspired by the still of the screaming nurse in what 1925 film directed by Sergei Eisenstein?
answer: The Battleship Potemkin or Bronenosets Potyomkin
7. Identify the following John Keats poems from lines, for 10 points each:
A. "Much have I traveled in the realms of gold, / And many goodly states and kingdoms seen"

## Answer: On First Looking into Chapman's Homer

B. "A thing of beauty is a joy forever: / Its loveliness increases."

## Answer: Endymion

C. "My heart aches, and a drowsy numbness pains / My sense, as though of hemlock I had drunk."

## Answer: Ode to a Nightingale

8. 30-20-10. Give the shared surname of these 19th century men.
A. John was an Irish composer and pianist on whose nocturnes were modeled Chopin's.
B. Eugene, known to his disgust as the "poet of childhood," authored "Little Boy Blue" and "Wynken, Blynken and Nod."
C. Marshall was a department-store magnate who endowed a natural history museum in Chicago.

## answer: Field

9. Given a cartoon and the definition of a dubious scrabble word, give both the word and the person who tried to play it for five points each.
A. The Simpsons: This is a big, dumb, balding, North American ape with no chin and a short temper.

## answer: KWYJIBO, Bart Simpson

B. The Critic: A big problem, which was added to the English language along with Dukelicious and Duketastrophe.
answer: OUYZBUK (pronounced Kwizibuck), Duke Phillips
C. Dilbert: A Poisonous red and black seed of the Indian Licorice plant.

## Answer: JEOUIRITY, Dogbert

10. Identify these operas in which a curse plays a major part, for 10 points each:
A. A hunchbacked jester makes fun of Count Monterone, who curses him and causes him to kill his own daughter, Gilda. "Ah, la maledizione!"

## answer: Rigoletto

B. A sea captain swears by all the devils to round the Cape of Good Hope, which offends Satan and condemns the captain to stay at sea forever.

## answer: The Flying Dutchman or Der fliegende Hollander

C. Wotan gives the cursed Ring of the Nibelungs, which will bring death to any owner, to two giants in exchange for building Valhalla. One immediately kills the other in this section of the Ring cycle.

## answer: Das Rheingold

11. Identify the following from the history of solar energy, for 10 points each:
A. In 1839 , this scientist discovered the photovoltaic effect when he noticed that more current flowed through his electrochemical solutions when light was shone upon them. His son was more famous for discovering radioactivity.

## answer: (Alexandre-)Edmond Becquerel

B. In the 1870s, William Adams and Richard Day used this metalloid element to make the first photovoltaic cells. Although not used for photovoltaics anymore, it still makes great photodetectors for garage door openers, burglar alarms and photographic exposure meters.
answer: selenium
C. The solar panels on this first U.S. satellite, launched in 1958, enabled it to send signals for years after the battery ran out, helping geophysicists to determine the true shape of the earth.
answer: Vanguard I
12. Name these denizens of Yggdrasil, for 10 points each:
A. This corpse-sucking serpent is coiled around Yggdrasil's Niflheim root.

## Answer: Nidhogg

B. This squirrel communicates insults between Nidhogg and an unnamed eagle at the top.

## Answer: Ratatosk

C. This goat produces the heavenly mead of the gods.

## Answer: Heidrun

13. Name these American short stories from opening lines for 10 points, or 5 points if you need the author.
A. 10 points-"The grandmother didn't want to go to Florida."

5 points-Flannery O'Connor

## answer: A Good Man Is Hard to Find

B. 10 points-"The morning of June $27^{\text {th }}$ was clear and sunny, with the fresh warmth of a fullsummer day; the flowers were blossoming profusely and the grass was richly green."

5 points-Shirley Jackson

## answer: The Lottery

C. 10 points-"He was ten. But it had already begun, long before that day when at last he wrote his age in two figures and he saw for the first time the camp where his father and Major de Spain and old General Compson and the others spent two weeks each November and two weeks again each June."

5 points-William Faulkner

## answer: The Bear

14. Light passing through air strikes a material at an angle of 45 degrees to the normal, and is refracted at an angle of 30 degrees to the normal in the material. For 10 points each:
A. What is the index of refraction of the material?

## answer: square root of two or $\mathbf{1 . 4 1 4}$

B. What Dutch mathematician's law, which relates the indices of refraction of the materials to the sines of the angles of propagation, did you use to find the answer?

## answer: Willebrord Snell

C. Snell's law fit the experimental data published in the 140 A.D. treatise $\sim$ Optica $\sim$ by what mathematician who considered the earth to be the center of the universe?

## answer: Ptolemy or Claudius Ptolemaus

15. For 5 points each—given a literary orphan, identify his or her biological parents.
A. Harry Potter.

Answer: James and Lily Potter
B. Anne Shirley

Answer: Walter and Bertha Shirley
C. Estella Havisham

Answer: Abel Magwitch and Molly
16. For 10 points each--identify these rooms in a monastery:
A. Usually located on the south side of the church, this quadrangle surrounded by a covered ambulatory connects the domestic areas of the monastery to the church.
answer: cloister
B. In medieval times, this room was used for the writing, copying, and illumination of books and documents.
answer: scriptorium
C. This nine-letter term refers to the monastery's dining room.
answer: refectory
17. You don't have to spell them, but--for 10 points each--identify these tasty food items:
A. This creamy leek-and-potato soup can be served hot or cold.
answer: vichyssoise (the final 's' IS pronounced, but don't sweat it)
B. This Italian dessert consists of egg yolks, sugar and liqueur beaten into a thick pudding.
answer: zabaglione or sabayon
C. This specialty soup of Marseilles contains many kinds of seafood and is flavored with saffron.
answer: bouillabaisse
18. Identify the philosopher for 10 points from his last words or 5 from an additional clue.
A. 10 points-- "I desire to go to hell and not to heaven. In the former place I shall enjoy the company of Popes, Kings and Princes, while in the latter are only beggars, monks and apostles."

5 points--His principal work praises the rule of Caesar Borgia and demonstrates the necessity of a harsh rule.

## answer: Nicolo Machiavelli

B. 10 points--"Go on, get out! Last words are for fools who haven't said enough!"

5 points--This author of Das Kapital is considered the philosophical founder of communism.
answer: Karl Marx
C. 10 points--"What an irreparable loss!"

5 points-- He created a philosophy-religion that worships humanity instead of the supernatural and developed a scientific method for studying social structures that forms the basis of modern sociology.

## answer: August Compte

19. Given a city, identify the river on which it lies, for 5 points for one, 10 or two, 20 for 3 and 30 for all four.
A. Bamako
answer: Niger
B. Nanjing
answer: Yangtze or Chang Jiang
C. Phenom Phen
answer: Mekong
D. Manaus

## answer: Negro

20. Answer the following questions about a recent advertising campaign.
A. Some of Apple Computer's reasons for doing this action include: "it just works," "best in digital music," "office is office and then some," and "it's beautiful."

## Apple - Switch

B. She Switch pitch woman is getting an MTV pilot and claims that her red eyes during the spot are due to her running out of Benadryl. Identify this spaced out, ditzy, sweatshirt wearing emblem of Mac users everywhere.
Ellen Fleiss [accept either name]
C. The most well known Switcher is this musician who claims he can't understand technology, but Macs just work.
Yo Yo Ma
21. Identify the following military massacres, for the stated number of points:
A. For 5 points--after Harold II fought off the incursion by Harald Hardraada in the North, he was forced to fight off the attack of William the Bastard at this battle.

## answer: Hastings

B. For 10 points--to give the main army of 5,000 Greek hoplites time to withdraw to the Isthmus of Corinth, King Leonidas I of Sparta remained at the pass with 300 bodyguards and a small contingent of Thespians to fight a rear-guard action against Xerxes at this mountain pass.

## answer: Thermopylae

C. For 15 points--in 1386, Arnold von Winkelreid cast himself upon ten spears of the Austrian army under Leopold III, creating a gap that could be exploited by the crack Swiss infantry who then routed the Austrian Hapsburgs invading Switzerland through this mountain pass.

## answer: Sempach

22. Taxonomy. Given an animal, give the class to which it belongs for five points each.
A. Lamprey
B. Great White Shark
C. Tuna
D. Robin
E. Humans
F. Python

## Agnatha

Chondrichthyes

## Osteichthyes

Aves
Mammalia
Reptilia


